## **APPENDIX**

A method for protecting the security of a cookie stored within a data processing system, 1 said method comprising: 2 storing a encryption key pair having a private key and a public key in a protected 3 storage device within said data processing system; 4 in response to the receipt of a cookie generated by an application from a remote 5 server, encrypting said cookie with said public key; 6 storing said encrypted cookie in a non-protected storage device within said data 7 processing system; 8 in response to an access request for said encrypted cookie by a browser program 9 executing within said data processing system, decrypting said encrypted cookie with said 10 private key; and 11 sending said decrypted cookie to said browser program. 12 2. The method according to claim 1, wherein said non-protected storage device is a hard 1 drive. 2 The method according to claim 1, further comprising providing an encryption device 1 having an encryption engine and said protected storage device accessible only through said 2 encryption engine. The method according to claim 3, wherein said encrypting further include encrypting said 4. cookie utilizing said encryption device. S

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- The method according to claim 4, wherein said decrypting further includes decrypting said
- encrypted cookie utilizing said encryption device. 2
- 6. The method according to claim 5, wherein said sending further includes transmitting said 1
- decrypted cookie from said encryption device to said browser program. 2
- 1 7. The method according to claim 6, further comprising transmitting said decrypted cookie
- from said browser program to an application executing in a remote server. 2

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1	10.	A data processing system capable of protecting the security of a cookie stored within said
2	data j	processing system, said data processing comprising:
3		a protected storage device for storing a encryption key pair having a private key
4		and a public key in a protected storage device within said data processing system;
5		means for utilizing said public key to encrypt said cookie, in response to the
6		receipt of a cookie generated by an application from a remote server;
7		a non-protected storage device within said data processing system for storing
8		encrypted cookie;
9		means for utilizing said private key to decrypt said encrypted cookie, in response
10		to an access request for said encrypted cookie by a browser program executing within said
11		data processing system; and
12		means for sending said decrypted cookie to said browser program.
1	11.	The data processing system according to claim 10, wherein said non-protected storage
2	devid	e is a hard drive.
1 .	12.	The data processing system according to claim 10, further comprising an encryption device
2	havii	g an encryption engine and said protected storage device accessible only through said
3	encr	ption engine.
1	13.	The data processing system according to claim 12, wherein said means for utilizing said
2	publ	c key to encrypt said cookie is said encryption engine.
1	14.	The data processing system according to claim 13, wherein said means for utilizing said
2	priva	te key to decrypt said encrypted cookie is said encryption device.
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- The data processing system according to claim 14, wherein said sending means further 15. ļ
- includes means for transmitting said decrypted cookie from said encryption device to said browser 2
- 3 program.
- The data processing system according to claim 15, further comprising means for 16. 1
- transmitting said decrypted cookie from said browser program to an application executing in a 2
- 3 remote server.

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